

ANDREW OPPENLANDER

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EDUCATION

University of Cincinnati

B.S. in Computer Science and Mathematics
GPA 3.69/4.0

Expected Graduation: April 2014

Computer Science Project: Cooperative quadcopter flying and task completion in an uncontrolled environment using custom built machines, ArduPilot, Raspberry Pi, and Python.

EXPERIENCE

University of Cincinnati, Department of Engineering Education

Teaching Assistant

August 2013 - Current

Cincinnati, OH

- Guided first year engineering students through labs in Engineering Fundamentals
- Evaluated student assignments and gave useful feedback

Siemens PLM

Co-op for Advanced Solutions Group

January 2011 - Current

Milford, OH

- Created mock designs for iPad and Android apps
- Worked on Android apps for Teamcenter integration and JT rendering
- Prototyped a JavaScript JT decoder/viewer using WebGL and x3dom
- Contributed to planning and research for a Google Web Toolkit based NX solution
- Worked on client and server Teamcenter customizations
- Developed a validation library for Teamcenter structures using the V8 JavaScript engine

GLaws Ltd.

Web Developer

June 2011 - August 2013

Cincinnati, OH

- Founding developer of an international legal document repository
- Worked on internationalization using I18N for site translation
- Built the site with JavaEE, Spring Framework, Hippo CMS, MySQL, and jQuery

University of Cincinnati, Department of Athletics

Athletics Tutor

June 2010 - December 2010

Cincinnati, OH

- Communicated academic strategies to student athletes
- Devised different problem solving methods based upon student's needs

TecEdge

Summer At The Edge Participant

June 2010 - September 2010

Wright-Patterson AFB, Dayton, OH

- Developed an interface for a sensor network using Java and NASA World Wind

TECHNICAL STRENGTHS

Computer Languages

Java, JavaScript, C++, (Minor: Python, Ruby, LaTeX)

Libraries

Android, Spring, (Minor: jQuery, Wordpress)

OS & Servers

Linux, Windows, Tomcat, Teamcenter, httpd, MySQL

Tools

Git, Emacs, Eclipse, IntelliJ IDEA